

---

Toyota Motor North America, Inc.  
1588 Woodridge  
Ann Arbor, Michigan 48105

**December 20, 2018**

***EDIR-VERR Coordinator  
Compliance and Innovative Strategies Division  
U.S. Environmental Protection Agency  
2000 Traverwood Drive  
Ann Arbor, Michigan 48105***

***Dear VERR Coordinator:***

**Subject: Voluntary Emissions Recall Report for Safety Recall Campaign – J0V**

Toyota will launch the subject campaign on certain 2010-2014 Model Year Prius vehicles and 2012-2014 Model Year Prius V vehicles. Approximately 807,300 total units are affected by this campaign. This campaign instructs when the remedy becomes available, any authorized Toyota dealer will perform a software update for the hybrid system FREE OF CHARGE. In addition, for customer satisfaction, if the vehicle has experienced an inverter failure with certain hybrid system faults related to this condition, the inverter assembly will be repaired or replaced FREE OF CHARGE.

The involved vehicles contain software used to control the Intelligent Power Module (IPM) within the inverter assembly, a part of the vehicle's hybrid system. If a specific transistor within the IPM fails in a certain way during a high-load driving condition, such as during hard acceleration, there is a possibility for an abnormally high voltage to be generated that could exceed a certain limit in the software and IPM circuit design. If this abnormally high voltage is generated, there is the possibility that the hybrid system could shut down instead of entering a failsafe driving mode that would provide reduced motive power and allow the vehicle to be driven for certain distances. This recall remedy will address a new condition in the vehicles involved in previous Safety Recalls E0E & F0R. The previous recalls E0E & F0R did not anticipate the new condition remedied with this recall.

On October 4, 2018, Toyota filed a Defect Information Report (DIR) with the National Highway Traffic Safety Administration (NHTSA) informing the agency regarding this Safety Recall.

Pursuant to the requirements outlined in Part 85 (Subpart T) of 40 CFR, Toyota has issued the Emissions Defect Information Report #TOYOTA-DIR-2014-0212 for Prius on February 12, 2014 and #TOYOTA-DIR-20150715 for Prius V on July 15, 2015 which are attached for your convenience. The applicable letters for this campaign are also attached. If you have any further questions regarding this matter, please contact Mr. Arvon Mitcham of my staff at (734) 995-5587 or [arvon.mitcham@toyota.com](mailto:arvon.mitcham@toyota.com)

Sincerely,



Will Meschievitz  
Group Manager  
Powertrain Certification and Compliance

**1. Description of Potentially Affected Vehicles**

Make	Model Year(s)	Model(s)	Test Group(s)	Engine	Potentially Affected Vehicles
Toyota	2010	Prius	ATYXV01.8HC3	2ZR-FXE	250,535
	2011	Prius	BTYXV01.8HC3	2ZR-FXE	137,121
	2012	Prius	CTYXV01.8HC3	2ZR-FXE	125,416
	2012	Prius V	CTYXV01.8CCU	2ZR-FXE	50,101
	2013	Prius	DTYXV01.8HC3	2ZR-FXE	147,223
	2013	Prius V	DTYXV01.8CCU	2ZR-FXE	33,795
	2014	Prius	ETYXV01.8HC3	2ZR-FXE	38,103
	2014	Prius V	ETYXV01.8CCU	2ZR-FXE	24,724

There are approximately 807,300 vehicles covered by this Safety Recall. Approximately 1,600 vehicles involved in this Safety Recall were distributed to Puerto Rico.

**2. Description of Repair**

Toyota will begin to notify owners in early January 2019. A sample of the owner notification letter has been included for your reference.

**3. Owner's Name and Address**

Toyota uses lists and addresses provided by IHS Markit and, when there is no IHS data available, Toyota will use internal company sales lists to notify owners of affected vehicles.

**4. Eligibility for Repair**

Any authorized Toyota dealer will perform a software update for the hybrid system FREE OF CHARGE. For customer satisfaction, if the vehicle has experienced an inverter failure with certain hybrid system faults related to this condition, the inverter assembly will be repaired or replaced FREE OF CHARGE.

**5. Owner Procedure**

Toyota will send an owner notification by first class mail starting in January 2019, advising owners to make an appointment with their authorized Toyota dealer to have a software update for the hybrid system performed FREE OF CHARGE. For customer satisfaction, if the vehicle has experienced an inverter failure with certain hybrid system faults related to this condition, the inverter assembly will be repaired or replaced FREE OF CHARGE.

**6. Performance of Repair**

The software update will take approximately 45 minutes to complete. If the inverter needs to be repaired or replaced, the repair could take up to 7.5 hours. However, depending on the dealer's work schedule, it may be necessary to make the vehicle available for a longer period of time.

**7. Letter of Notification to Owners**

Toyota will send an owner notification by first class mail starting in early January 2019, advising owners of this Safety Recall Campaign.

**8. Parts Supply**

There are sufficient parts for this campaign.

**9. Repair Instructions**

A copy of the **Technical Instructions** for this Safety Recall Campaign J0V is attached.

**10. Impact on Fuel Consumption, Drivability and Safety**

This repair will not affect fuel economy and/or drivability. Safety is affected, NHTSA has been notified.

**11. Completion Label**

Completed vehicles will be tracked through the Technical Information System (TIS).